

# M 5.7, MINAHASA, SULAWESI, INDONESIA

Origin Time: Sun 2009-06-28 14:19:28 UTC

Location: 1.38°N 122.19°E Depth: 25 km

**PAGER**  
**Version 3**

Created: 2 days, 2 hrs after earthquake

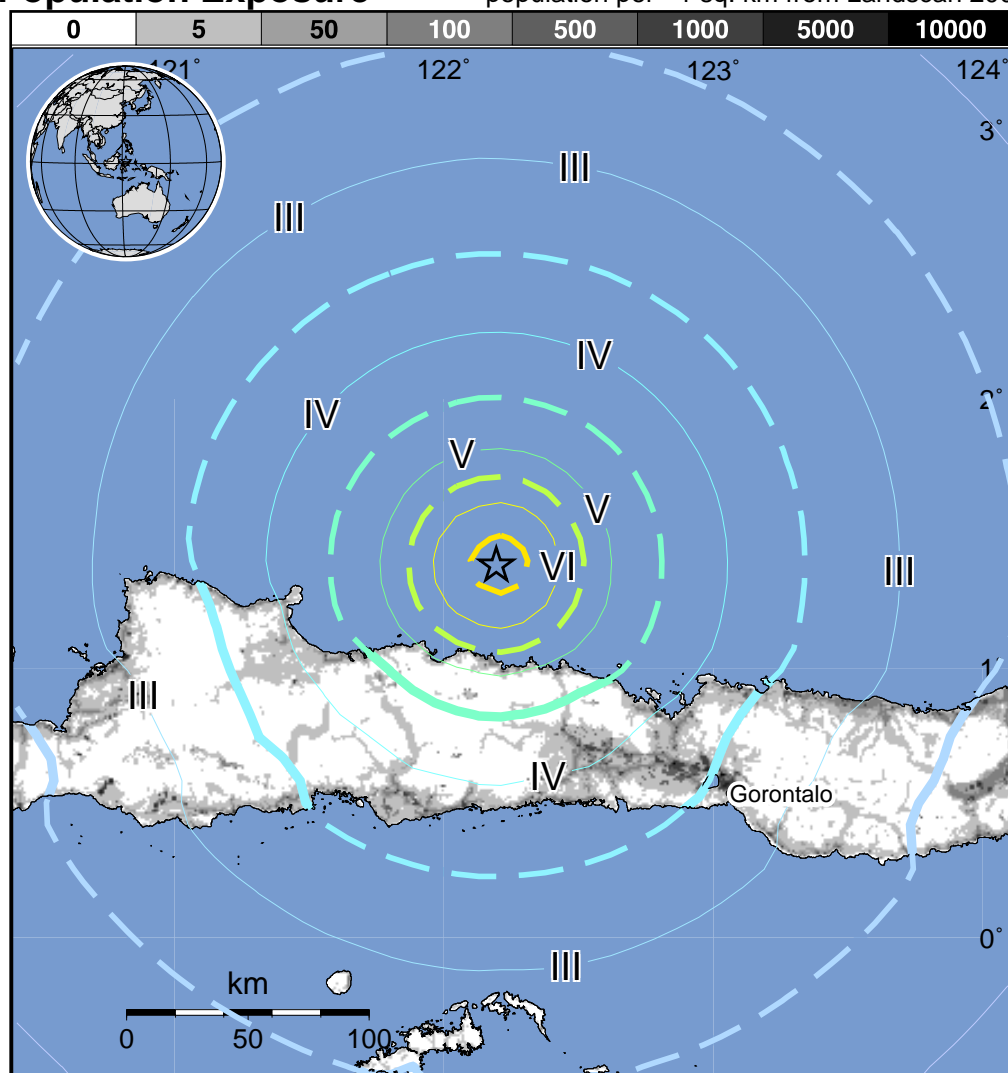
## Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) |                       | - - *    | 946k*  | 736k  | 33k      | 0        | 0              | 0              | 0        | 0        |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY     |                       | I        | II-III | IV    | V        | VI       | VII            | VIII           | IX       | X+       |
| PERCEIVED SHAKING                         |                       | Not felt | Weak   | Light | Moderate | Strong   | Very strong    | Severe         | Violent  | Extreme  |
| POTENTIAL DAMAGE                          | Resistant Structures  | none     | none   | none  | V. Light | Light    | Moderate       | Moderate/Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | none     | none   | none  | Light    | Moderate | Moderate/Heavy | Heavy          | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

### Population Exposure

population per ~1 sq. km from Landsat 2006

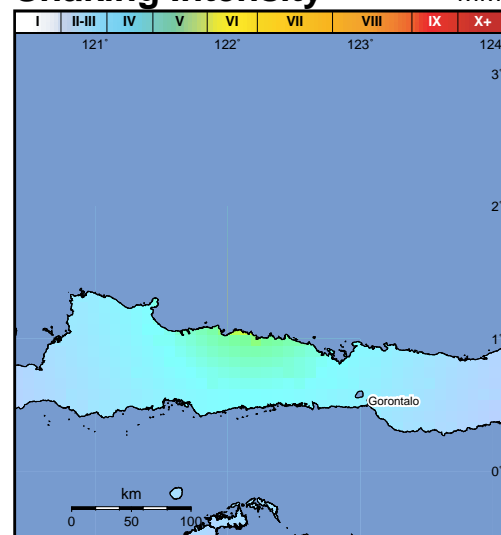


### Selected City Exposure

| MMI City             | Population  |
|----------------------|-------------|
| <b>III Gorontalo</b> | <b>144k</b> |

bold cities appear on map (k = x1000)

### Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 6.2 earthquake occurred in the Indonesia region 380 km southwest of the location of this earthquake on January 23, 2005 (UTC), with estimated population exposures of 788,000 at intensity VII and 258,000 at intensity VI, resulting in an estimated 1 fatality. On May 4, 2000 (UTC), a magnitude 7.5 earthquake and tsunami occurred in the Indonesia region 316 km southeast of the location of this earthquake, with estimated population exposures of 17,000 at intensity VIII and 182,000 at intensity VII, resulting in an estimated 46 fatalities.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009ikay